

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 2001257412  
PUBLICATION DATE : 21-09-01

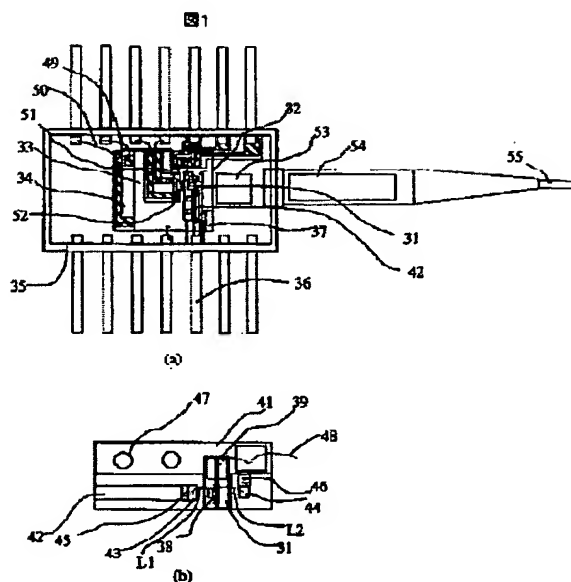
APPLICATION DATE : 10-03-00  
APPLICATION NUMBER : 2000072451

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INT.CL. : H01S 5/022 H01S 5/50 H04B 10/28  
H04B 10/26 H04B 10/14 H04B 10/04  
H04B 10/06

TITLE : OPTICAL TRANSMISSION MODULE



ABSTRACT : PROBLEM TO BE SOLVED: To obtain an optical transmission module which converts an inputted electric signal to an optical signal accurately and outputs the optical signal.

SOLUTION: A package contains a modulator integrated laser diode as a means which obtains an optical signal in accordance with an electric signal. In the package, a terminal resistor  $R_t$  and an optical modulator MD are connected in parallel, and one of them is grounded. On the other side of them, a wire inductance (L1) and a resistor  $R_d$  for impedance matching are connected in series with the parallel connection. A high frequency transmission line (microstrip line)MSL for transmitting an inputted electric signal is connected with the other end of the resistor  $R_d$ .

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